

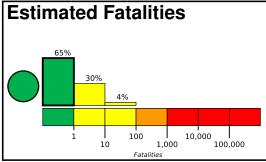




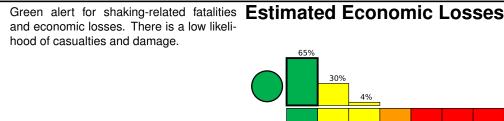
PAGER Version 5

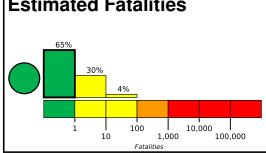
Created: 4 weeks, 1 day after earthquake

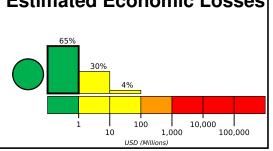
M 5.9, 53 km WSW of Sado, Japan Origin Time: 2024-01-09 08:59:10 UTC (Tue 17:59:10 local) Location: 37.8728° N 137.7809° E Depth: 10.0 km



and economic losses. There is a low likeli-







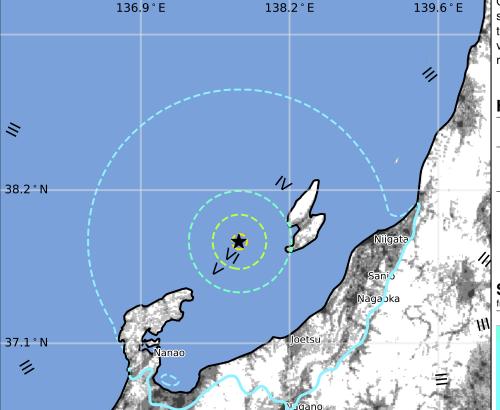
Estimated Population Exposed to Earthquake Shaking

			-							
ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	9,127k*	4,012k	18k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVED	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

5000

10000

Population Exposure



PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

Matsumoto

population per 1 sq. km from Landscan **Structures**

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are heavy wood frame and reinforced/confined masonry construction.

Historical Earthquakes

Date		Dist.	Mag.	Max	Shaking	
	(UTC)	(km)		MMI(#)	Deaths	
	1983-03-15	342	5.4	VII(259k)	1	
	1983-08-08	286	5.6	VII(7k)	1	
	1983-05-26	310	7.7	VII(174k)	104	

Recent earthquakes in this area have caused secondary hazards such as landslides and fires that might have contributed to losses.

Selected City Exposure

from GeoNames.org					
MMI	City	Population			
IV	Ryotsu-minato	16k			
IV	Kashiwazaki	86k			
IV	Maki	29k			
IV	Yoshida-kasugacho	26k			
IV	Niigata	505k			
IV	Shirone	41k			
IV	Toyama	326k			
IV	Kanazawa	459k			
Ш	Nagano	360k			
Ш	Maebashi	283k			
Ш	Utsunomiva	450k			

bold cities appear on map.

(k = x1000)

^{*}Estimated exposure only includes population within the map area.